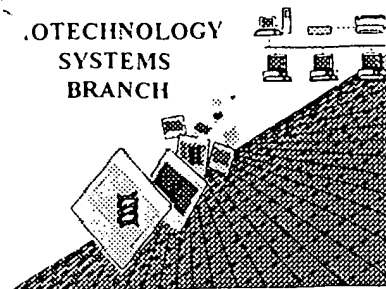


R. Prooty

BIOTECHNOLOGY
SYSTEMS
BRANCH



#7
DMT
2-26-01

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/622,568

Source: 1652

Date Processed by STIC: 2-7-01

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THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW.

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/622,568

DATE: 02/07/2001
 TIME: 16:12:25

Input Set : A:\Sj0004.app
 Output Set: N:\CRF3\02072001\I622568.raw

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134 <211> LENGTH: 14
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic, "N"
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164 <211> LENGTH: 21
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166 <213> ORGANISM: Oryctolagus cuniculus
168 <400> SEQUENCE: 12
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196 <211> LENGTH: 30
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/622,568

DATE: 02/07/2001

TIME: 16:12:25

Input Set : A:\Sj0004.app

Output Set: N:\CRF3\02072001\I622568.raw

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205           20           25           30
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210 <212> TYPE: PRT
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217 Trp Gly His Pro Ser Ser Pro Pro Val Val Asp Thr Thr Lys
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223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens
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236 <212> TYPE: PRT
237 <213> ORGANISM: Rattus rattus
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241   1           5           10           15
243 Trp Gly Tyr Pro Ser Ser Pro Pro Val Val Asn Thr Val Lys
244           20           25           30
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248 <211> LENGTH: 30
249 <212> TYPE: PRT
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262 <212> TYPE: DNA
263 <213> ORGANISM: Oryctolagus cuniculus
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267 ggggcacccg tctgcaccac ctgtggtaga tactgtgcat ggcaaagtc tggggaagtt 120
268 cgtcagctta gaaggatttg cacagcccggt gccgtctctt ctgggagtc ccttcgcaa 180

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/622,568

DATE: 02/07/2001
TIME: 16:12:25

Input Set : A:\Sj0004.app
Output Set: N:\CRF3\02072001\I622568.raw

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269 gccccctctt ggatccctga ggtttgcacc accacagcct gcagaatcat tgagccacgt 240
270 gaagaacacc acctoctacc ctcccatgtg ctcccaggac gcagtatcag ggcatatgct 300
271 ctcgagactc ttcaccaaca gaaaagagaa catccctctt aagttttctg aagactgcct 360
272 ttacctgaat atttacaccc ctgctgacct gacaaagaga ggcaggctgc cggatgatgt 420
273 gtggatccat ggaggtggtc tgatggtggg tggagcatca acctatgatg gcctggctct 480
274 ttctgccccat gagaacgtgg tgggtggtgac cattcagtac cgctgggca tctggggatt 540
275 cttcagcaca ggagatgagc acagccgagg gaactggggg cacttgacc aggtggctgc 600
276 gctgcggtgg gtccaggaca acattgccaa ctttggaggg gacccaggct ctgtgacct 660
277 ctttggagag tcagcaggag gtcaaagtgt ctctatcctt ctattatccc cctgacca 720
278 gaatctcttc catcgagcaa ttcccgagag tggcgtggcc ctctttcca gtctcttcag 780
279 gaagaacacc aagtccttgg ctgagaaaat tgccatcgaa gctgggtgta aaaccaccac 840
280 ctcggtgtgc atggttcact gctgcgcca gaagacagag gaagaactca tggaggtgac 900
281 attgaaaatg aaatttatgg ctctagatct agttggcgac cccaaagaga acaccgcctt 960
282 cctgaccact gtgattgatg ggtgctgct gccaaaagca cctgcagaga ttctggcaga 1020
283 gaagaaatac aacatgctgc cctacatggt gggaatcaac cagcaagagt ttggctggat 1080
284 tatcccaatg caaatgctgg gctatccact ctctgaaggc aaactggacc agaagacagc 1140
285 tacagaactc ttgtggaagt cctaccccat tgtcaatgct tctaaggagc tgactccagt 1200
286 ggccactgag aagtatttag gagggacaga tgaccctgtc aaaaagaaag acttggtcct 1260
287 ggacatgctt gcagatttgt tatttggtgt cccatctgtg aatgtggctc gtcaccacag 1320
288 agatgctgga gccccacct atatgtatga gtatcggtat cgcccaagct tctcatcaga 1380
289 catgagacct aagacagtga taggggacca tggagatgag atcttctctg tcttaggagc 1440
290 cccgttttta aaagagggtg ccacagaaga ggagatcaaa ctgagcaaga tggatgatgaa 1500
291 atactgggcc aactttgcta ggaatgggaa tcccaatgga gaagggtctc ctcaatggcc 1560
292 agcatatgac tacaaggaag gttacctgca gattggagcc accaccagg cagcccagaa 1620
293 actgaaagac aaggaagtgg ctttctggac tgagctctgg gccaggagg cagcaaggcc 1680
294 acgtgagaca gagcacattg agctgtgaat tgaattc 1717
296 <210> SEQ ID NO: 21
297 <211> LENGTH: 565
298 <212> TYPE: PRT
299 <213> ORGANISM: Oryctolagus cuniculus
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305 Trp Gly His Pro Ser Ala Pro Pro Val Val Asp Thr Val His Gly Lys
306 20 25 30
308 Val Leu Gly Lys Phe Val Ser Leu Glu Gly Phe Ala Gln Pro Val Ala
309 35 40 45
311 Val Phe Leu Gly Val Pro Phe Ala Lys Pro Pro Leu Gly Ser Leu Arg
312 50 55 60
314 Phe Ala Pro Pro Gln Pro Ala Glu Ser Trp Ser His Val Lys Asn Thr
315 65 70 75 80
317 Thr Ser Tyr Pro Pro Met Cys Ser Gln Asp Ala Val Ser Gly His Met
318 85 90 95
320 Leu Ser Glu Leu Phe Thr Asn Arg Lys Glu Asn Ile Pro Leu Lys Phe
321 100 105 110
323 Ser Glu Asp Cys Leu Tyr Leu Asn Ile Tyr Thr Pro Ala Asp Leu Thr
324 115 120 125
326 Lys Arg Gly Arg Leu Pro Val Met Val Trp Ile His Gly Gly Gly Leu
327 130 135 140

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/622,568

DATE: 02/07/2001

TIME: 16:12:26

Input Set : A:\Sj0004.app

Output Set: N:\CRF3\02072001\I622568.raw

L:2 M:270 C: Current Application Number differs, Replaced Current Application No
L:2 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2 M:283 W: Missing Blank Line separator, <160> field identifier
L:0 M:201 W: Mandatory field data missing, APPLICANT NAME
L:0 M:201 W: Mandatory field data missing, TITLE INVENTION
L:0 M:201 W: Mandatory field data missing, FILE REFERENCE
L:20 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:20 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
L:23 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
M:340 Repeated in SeqNo=1
L:26 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:131 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:8
L:131 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:131 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8
L:143 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
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L:181 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:181 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:181 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13
L:193 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:14
L:193 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:14
L:193 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14

Does Not Comply
Corrected Diskette Needed

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/622,568

DATE: 02/07/2001
TIME: 16:12:25

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Output Set : N:\CRF3\02072001\I622568.raw

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C--> 2 <141> CURRENT FILING DATE: 2000-08-31
W--> 2 <160> NUMBER OF SEQ ID: 26
W--> 0 <110> APPLICANT:
W--> 0 <120> TITLE INVENTION:
W--> 0 <130> FILE REFERENCE:
4 <170> SOFTWARE: PatentIn Ver. 2.0
6 <210> SEQ ID NO: 1
7 <211> LENGTH: 34
8 <212> TYPE: PRT
9 <213> ORGANISM: Oryctolagus cuniculus
11 <220> FEATURE:
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13 <222> LOCATION: (7) -
15 <220> FEATURE:
16 <221> NAME/KEY: UNSURE
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21 1 5 10 15
W--> 23 Gly Lys Phe Val Ser Xaa Glu Gly Phe Ala Gln Pro Val Ala Lys Phe
24 20 25 30
W--> 26 Xaa Gly
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31 <211> LENGTH: 36
32 <212> TYPE: PRT
33 <213> ORGANISM: Oryctolagus cuniculus
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36 His Pro Ser Ala Pro Pro Val Val Asp Thr Val Lys Gly Lys Val Leu
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40 20 25 30
42 Leu Gly Val Pro
43 35
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47 <211> LENGTH: 54
48 <212> TYPE: PRT
49 <213> ORGANISM: Homo sapiens
51 <400> SEQUENCE: 3
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53 1 5 10 15
55 Trp Gly His Pro Ser Ser Pro Pro Val Val Asp Thr Val His Gly Lys
56 20 25 30
58 Val Leu Gly Lys Phe Val Ser Leu Glu Gly Phe Ala Gln Pro Val Ala
59 35 40 45
61 Ile Phe Leu Gly Ile Pro
62 50

<110> Applicant
<120> Title of Invention

* These are
mandatory
headings and
require a
response.

missing explanation for
Xaa at position 22.

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/622,568

DATE: 02/07/2001
 TIME: 16:12:25

Input Set : A:\Sj0004.app
 Output Set: N:\CRF3\02072001\I622568.raw

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67 <212> TYPE: PRT
68 <213> ORGANISM: Rattus rattus
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74 Trp Gly His Pro Ser Ser Pro Pro Val Val Asp Thr Thr Lys Gly Lys
75           20           25           30
77 Val Leu Gly Lys Tyr Val Ser Leu Glu Gly Phe Thr Gln Pro Val Ala
78   35           40           45
80 Val Phe Leu Gly Val Pro
81   50
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 54
86 <212> TYPE: PRT
87 <213> ORGANISM: Mus musculus
89 <400> SEQUENCE: 5
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91   1           5           10           15
93 Leu Gly His Ser Leu Leu Pro Pro Val Val Asp Thr Thr Gln Gly Lys
94           20           25           30
96 Val Leu Gly Lys Tyr Ile Ser Leu Glu Gly Phe Glu Gln Pro Val Ala
97   35           40           45
99 Val Phe Leu Gly Val Pro
100   50
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104 <211> LENGTH: 5
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114 <211> LENGTH: 14
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116 <213> ORGANISM: Oryctolagus cuniculus
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122 <211> LENGTH: 14
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124 <213> ORGANISM: Artificial Sequence
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W--> 131 caccnagcg cncc
133 <210> SEQ ID NO: 9

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14

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